

ABSTRACT

A disaster-tolerant data backup and remote copy system which is implemented as a controller-based replication of one or more LUNs (logical units) 5 between two remotely separated pairs of array controllers connected by redundant links. In the situation wherein an array controller fails during an asynchronous copy operation, the partner array controller uses a 'micro log' stored in mirrored cache memory to recover transactions, in order, which were 'missed' by the backup storage array when the array controller failure occurred.

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